

INTERNATIONAL SEARCH REPORT

IB/2004/03838

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B22D17/22 B22D21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B22D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 37 26 217 A (VAILLANT JOH GMBH & CO) 25 February 1988 (1988-02-25) the whole document	1, 4, 5, 14, 20
X	US 6 250 365 B1 (GALLO SERGIO ET AL) 26 June 2001 (2001-06-26) column 2, line 58 - column 3, line 7; claims 1, 11	1, 4, 6, 7, 10, 14, 20
X	DE 41 20 357 A (TEVES GMBH ALFRED) 24 December 1992 (1992-12-24) column 1, line 36 - column 2, line 14; claim 1	1, 20
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

19 January 2005

Date of mailing of the international search report

26/01/2005

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IB/2004/03838

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11, 3 January 2001 (2001-01-03) & JP 2000 218356 A (JAPAN STEEL WORKS LTD:THE), 8 August 2000 (2000-08-08) abstract -----	1
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21, 3 August 2001 (2001-08-03) & JP 2001 113354 A (DAIHATSU MOTOR CO LTD), 24 April 2001 (2001-04-24) abstract -----	1

INTERNATIONAL SEARCH REPORT

IB/2004/03838

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			AT	215486 A	15-05-1988
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US 6250365	B1	26-06-2001	AU	4001900 A	04-09-2000
			WO	0048768 A1	24-08-2000
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JP 2000218356	A	08-08-2000	JP	3393079 B2	07-04-2003
JP 2001113354	A	24-04-2001	NONE		